

ABCC11	-----	~MTR	KRTYWVPNSS	GGLVNRGIDI	GDDMVSGLIY	KTYTLQCEPE	SQERNDEAP	GRAAVPPWGK	YDAALRTMIP	FRPKPRFPAP	QPLDNAGLFS
ABCC12	-----	-----	-----	-----	-----	---MVGEGPY	LISLDDQGR	RRSFAE...R	YDPSLKTWIP	VRPCARL.AP	NPVDDAGLLS
ABCC5	MKDIDIGKEY	IIPSPGYRSV	RERTSTSGTH	RREDSKFRR	TRPLECQDAL	ETAARAEGLS	LDASMSQLR	ILDEEHPKGK	YHGLSALKP	IRTTSKHQ..	HPVDNAGLFS
ABCC11	YLTVSWLTP	.MIQSLRSRL	DENTIPPLSV	HDASDKNVQR	LHRLWEEVS	RRGIEKASVL	LVMLRFQTR	LIFDALLGIC	FCIASVLGPI	LIIPKILEYS	EEQLGNVVHG
ABCC12	FATFSWLTPV	.MVKGYRQRL	TVDTLPPLST	YDSSDTNAKR	FRVLWDEEVA	RVGPEKASLS	HVVWKFQTR	VLMDIVANIL	CIIMAAIGPV	ILIHQILQOT	ERTSGKVVWG
ABCC5	CMTFSLSSL	ARVAHKKGEL	SMEDVWSLSK	HESSDVNCR	LERLMQEELN	EVGPDAASLR	RVWIFCRTR	LILSIVCLMI	TOLAGFSGPA	FMVKHLLXYT	QATESNLQYS
ABCC11	VGLCFALFLS	BCVKSLSPSS	SWIINQRTAI	RFRAAVSSEA	FEKLIQFKSV	IHITSGEAIS	FFTGDVNVLF	EGVCYGPLVL	ITCASLVICS	ISSYFIIGYT	AFIAILCYLL
ABCC12	IGLCIALFAT	EFTKVFFWAL	AWAINYRTAI	RLKVALSTLV	FENLVSFKTL	THISVGEVLN	ILSSDSYSLF	EAALFCPLPA	TIPILMVFCA	AYAFFILGPT	ALIGISVYVI
ABCC5	LLVLGLLLT	EIVRSWSLAL	TWALNYRTGV	RLRGAILTMA	FKKILKLKNI	KEKSLGELIN	ICSNDGQRMF	EAAAVGSLLA	GGPVVAILGM	IYNVIILGPT	GFLGSAVFIL
ABCC11	VFPLAVETTR	MAVKAQHHTS	EVSDQRIRVT	SEVLTCIKLI	KMYTWEKPFA	KIIEDLRRKE	RKLEKCGLV	QSLTSITLFI	IPTVATAVWV	LIHTSLKLKL	TASMAFSMLA
ABCC12	FIPVQMFMAK	LNSAFRRSAI	LVTDKRVQTM	NEFLTICIRLI	KMYAMEKSFT	NTIQDIRRE	RKLEKAGFV	QSGNSALAPI	VSTIAIVLTL	SCHILLRRKL	TAPVAFSVIA
ABCC5	FYPAMMFASR	LTAYFRRKCV	AATDERVQKM	NEVLTYIKFI	KMYAMVKAFS	QSVQKIREEE	RRILEKAGYF	QGITVGVAPI	VVVIASVVTF	SVHMTLGFDL	TAAQAFTVVT
ABCC11	SLNLLRLSVF	FVPIAVKGLT	NSKSAVMRFK	KFFLQESPVF	YVQTLQDPSK	ALVFEEATLS	WQ.....QT	CPGIV.....	EL...ERNGH	ASEGMRPRD	
ABCC12	MFNVMKFSIA	ILPFSIKAMA	EANVSLRRMK	KILIDKSPPS	YITQPEDPDT	VLLLANATLT	WEHEASRKST	PKKLQ.....	.....NQKR	HLCKKQRSEA	YSERSPPAKG
ABCC5	VFNSMTFALK	VTPFSVKLSL	EASVAVDRFK	SLFLMEEVHM	IKNKPASPHI	KIEMKNATLA	WDSSHSSIQN	SPKLTPMKKK	DKRASRGKKE	KVRQLQRTEH	QAVLAEQKGH
ABCC11	AL.....G	PEEEGNS...	.....LGPEL	HKINLVVSKG	MMLGVCGNTG	SGKSSLLSAI	LEEMHLLGGS	VGVOGSLAYV	PQQAIVVSGN	IRENILMGGA	YD.....KA
ABCC12	AT.....G	PEEQSDS...	.....LKSVL	HSISFVVRKG	KILGICGNVG	SGKSSLLAAL	LGQMQLQKGV	VAVNGTLAYV	SQQAIFHGN	VRENILFGEK	YDHQRYQHTV
ABCC5	LLLDSDERPS	PEEEEGKHIH	LGHLRLQRTL	HSIDLEIQEG	KLVGICGSVG	SGKTSLSISAI	LGQMTLLEGS	IAISGTFAYV	AQQAUILNAT	LRDNILFGKE	YDEERYNSVL
.....											
A											
ABCC11	RTPGCACCLD	MVPFTACLQI	GERGLNLSGG	QQRISLARA	VYSDRQIYLL	DDPLSAVDAAH	VGKHIFEECI	KKTLRGKTVV	LVTHQLQYLE	FCGQIILLEN	GKICENGTHS
ABCC12	RVCGLQKOLS	NLPYGDLTEI	GERGLNLSGG	QQRISLARA	VYSDRQLYLL	DDPLSAVDAAH	VGKHVFEECI	KKTLRGKTVV	LVTHQLQFLE	SCDEVILLED	GEICEKGTHK
ABCC5	NSCCLRPDLA	ILPSSDLTEI	GERGANLSGG	QQRISLARA	LYSDRSIYIL	DDPLSALDAH	VGNHIFNSAI	RKHLKSKTVL	FVTHQLQYLV	DCDEVIFMKE	GCITERGTHE
.....											
B											
ABCC11	ELMQKKGKYA	QLIQKM....	.....KEAT	SDMLQDTAKI	AEKPKVE.SQ	ALATSLEESL	NGNAVPEHQ	TQEEEMEESG	LSWRVYHHYI	QAAGGYMVSC	
ABCC12	ELMEERGRYA	KLIHNLRLGLQ	FKDPEHLYNA	AMVEAFKESP	AEREEDAGII	VLAPGNEKDE	GKESETGSEF	VDTKVPEHQ	IQTESPQEGT	VTWKTYHTYI	KASGGYLLSL
ABCC5	ELMNLNGDYA	TIFNLL.LG	ETPPVEINSK	KETSGSQKKS	QDKGPKTGSV	G.....	.....QL	VQLEEKQGS	VPWSVYGVYI	QAAGGPLAFL	
ABCC11	IIFFFVVLIV	FLTIFSFWWL	SYMLEQSGGT	NSSRESNGTM	ADLGNIADNP	QLSFYQLVYG	LNALLLICVG	VCSSGIFTKV	TRKASTALHN	KLFNKVFRCP	MSFFDTIPIG
ABCC12	FTVFLFLIMI	GSAAFSNWWL	GLWLDKGSRM	TCGPQGNRTM	CEVGAVLADI	GQHVYQWVYT	ASMVFMLVFG	VTKGVFVTKT	TLMASSSLHD	TVFDKILKSP	MSFFDTTPTG
ABCC5	VIMALFMLNV	GSTAFSTWWL	SYMIKQSGSN	TTVTRGNETS	VS.DSMKDNP	HMQYYASIYA	LSMAVMLILK	AIRGVVFEVG	TLRASSRLHD	ELFRRILRSP	MKFFDITPTG
ABCC11	RLNCFAGDL	EQLDQLLPF	SEQFLVLSLM	VIAVLLIVSV	LSPYILLMGA	IIMVICFIY	MMFKAIGVF	KRLENYSRSP	LFSHILNSLQ	GLSSIHVYGK	TEDFISQFKR
ABCC12	RLMNRFSKDM	DELDVRLPFH	AENFLQOFFM	VVFILVILAA	VFPVALLVA	SLAVGFFILL	RIFHRGVQEL	KKVENVSRSP	WFTHITSSMQ	GLGIIHAYGK	KESCITY...
ABCC5	RIILNRFSKDM	DEVDVRLPFQ	AEMFIQNVL	VFFCVGMIAG	VFPWFLVAVG	PLVILFSVLH	IVSRVLIREL	KRLDNITQSP	FLSHITSSIQ	GLATIHAYNK	GOEFLHRYQE
ABCC11	LTDAQNNYLL	LFLSSTRWMA	LRLEIMTNLV	TLAVALFVAF	GISSTPYSFK	VMAVNIIVLQ	ASSFQATARI	GLETEAQFTA	VERILQYMKM	CVSEAPLHME	GTSCPCQWPQ
ABCC12	.....HLL	YFNCALRWFA	LRMDVLNMIL	TFTVALLVTL	SFSSISTSSK	GLSLSYIIQL	SGLLQVCVRT	GTETQAKFTS	VELLREYIST	CVPECTHPLK	VGTCPKDWPS
ABCC5	LLDDNQAPFF	LFTCAMRWLA	VRLDLISIAL	ITTTGLMIVL	MHGQIPPAYA	GLAISYAVQL	TGLFQFTVRL	ASETAEARFTS	VERINHIIKT	LSLEAPARIK	NKAPSPDWPQ
ABCC11	HGEIIFQDYH	MKYRDNTPTV	LHGINLTIRG	HEVVGIVGRT	SGKSSSLGWA	LFRIVEPMAG	RILIDGVDIC	SIGLEDLRSK	LSVIPQDPVL	LSGTIRFNLD	PFDRHTDQOI
ABCC12	CGEITFRDYQ	MRYRDNTPLV	LDLNLNLIQS	QQTVGIVGRT	SGKSSSLGWA	LFRIVEPASG	TIFIDEVDIC	ILSLEDLRTK	LTVIPQDPVL	FVGTVRYNLD	PFESHTDEML
ABCC5	EGEVTFENAE	MRYRENPLV	LKKVSFTIKP	KEKIGIVGRT	SGKSSSLGWA	LFRIVELSGG	CIKIDGVRIS	DIGLADLRSK	LSIIPQEPVL	FSGTVRSNLD	PENQYTEDQI
.....											
A											
ABCC11	WDALERTFLT	KAISKFPKKL	HTDVVENGM	*SVGERQLLC	IARAVLRNSK	IILIDEATAS	IDMETDTLIQ	RTIREAFQGC	TVLVIAHRVT	TVLNCDHILV	MGNKGKVEFD
ABCC12	WQVLERTFMR	DTIMKLPEKL	QAEVTENGEM	*SVGERQLLC	VARALLRNSK	IILIDEATAS	MDSKTDTLVQ	NTIKDAFKGC	TVLTIAHRLN	TVLNCDHVLV	MENKGVIEFD
ABCC5	WDALERTHMK	ECIAQLPLKL	ESEVMENGDM	*SVGERQLLC	IARALLRHCK	IILIDEATAA	MDTETDLLIQ	ETIREAFADC	TMLTIAHRLH	TVLGSDRIMV	LAQGQVVEFD
.....											
C											
ABCC11	RPEVLRKKPG	SLFAALMATA	TSSLR*---								
ABCC12	KPEVLAEKPD	SAFAMLLAAE	VRL*-----								
ABCC5	TPSVLLSND	SRFYAMFAAA	ENKVAVK*								

FIGURE 1

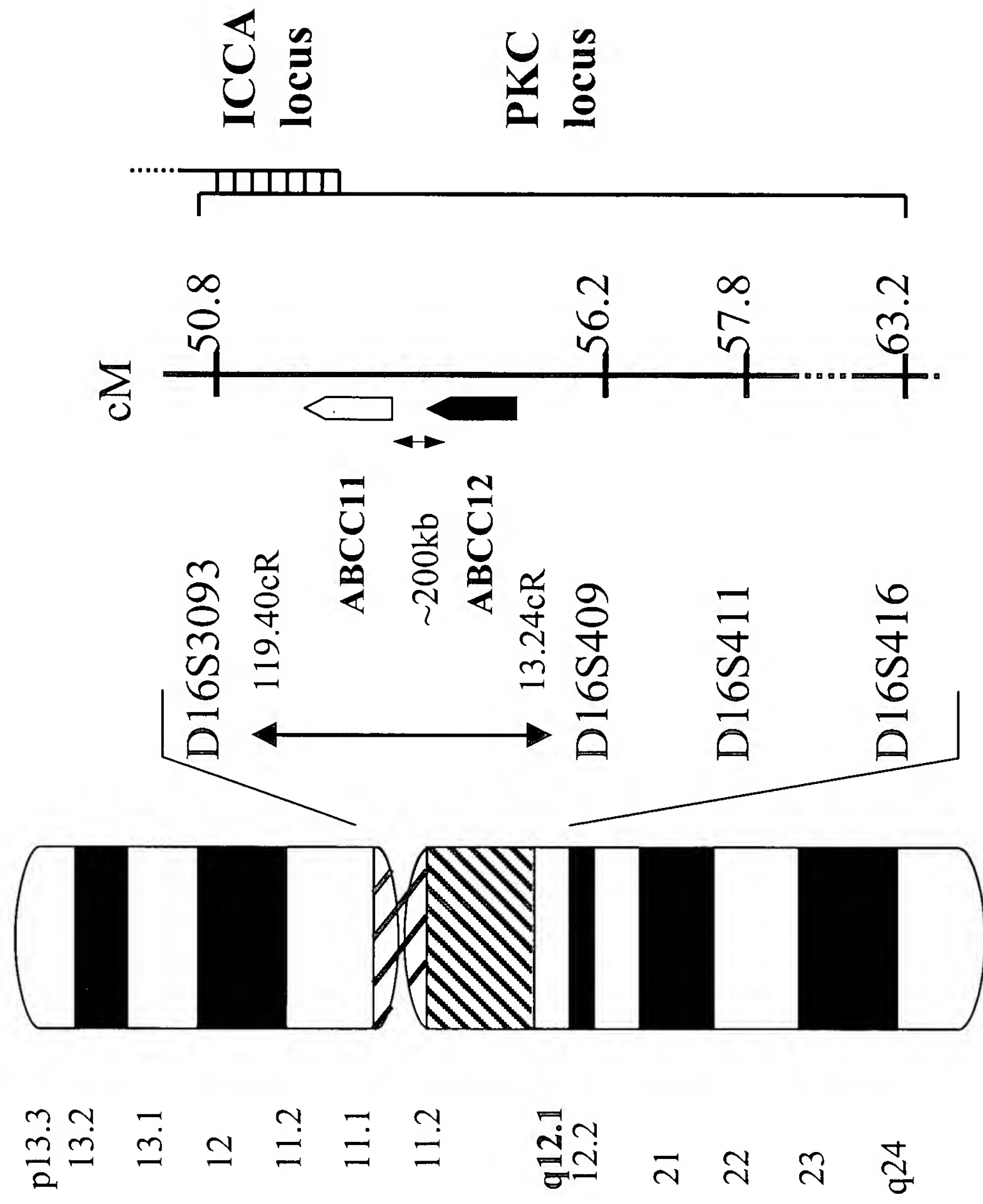


FIGURE 2

ABCC11

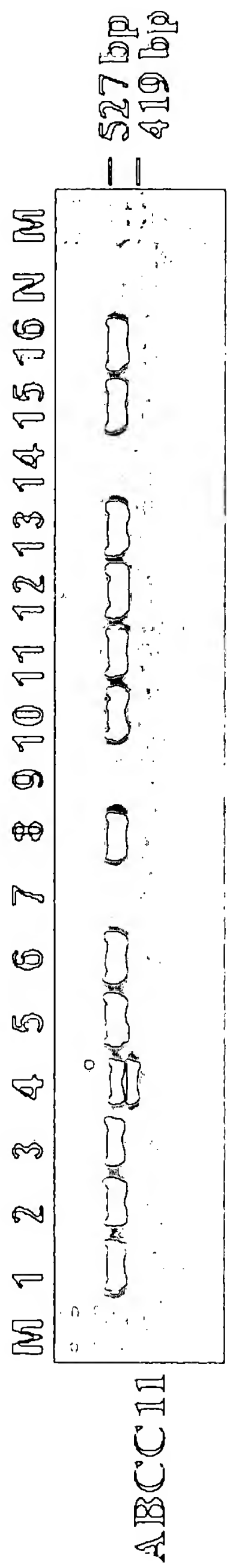


FIGURE 3

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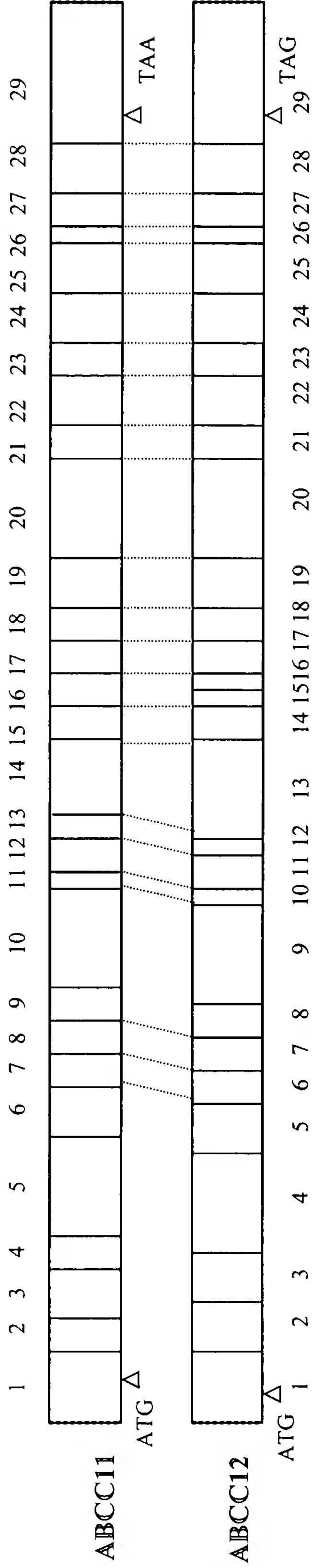


FIGURE 4

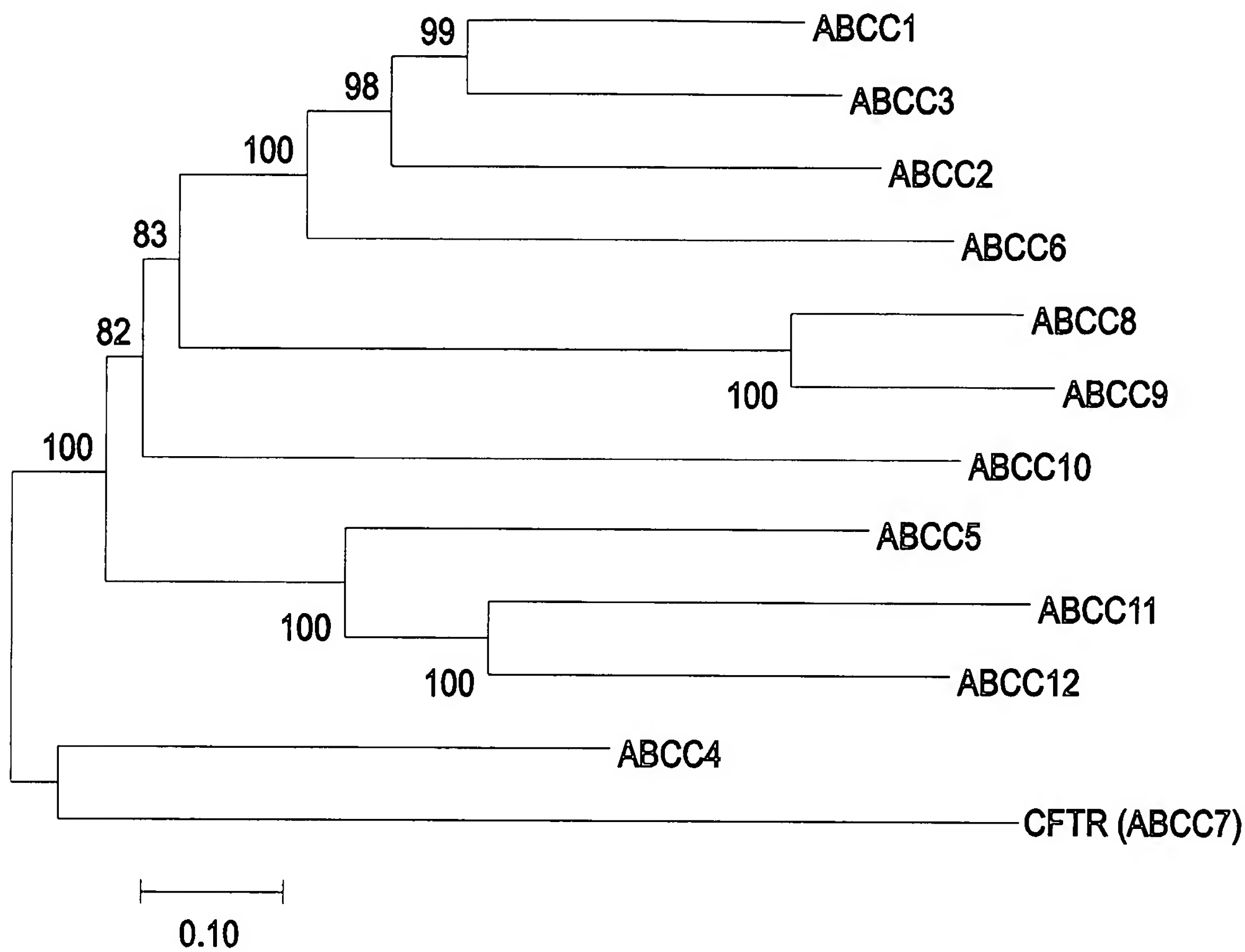


Figure 5